SHIRNOVSKAYA-DERAZHENSKAYA, F. A.

Shirnovakaya-Derazhenskaya, F. A. - "The question of the horizontal septa in the carietal musculature of the hong fishes," Trudy Alma-At. vet.-zootekhn. in-ta, Vol. V, 1948, p. 346-48

So: U-3566, 15 March 53, (Letopis 'Zhurnal 'nykh Statey, No. 13, 1949)

ACCESSION NR: AT4015862 8/2573/63/000/009/0226/0233

AUTHOR: Cherny*shev, V. Ye.; Shiro, G. E.

TITLE: An automatic telemetering system with FM transducers

SOURCE: AN SSSR. Institut elektromekhaniki. Sbornik rabot po voprosam elektromekhaniki, no. 9, 1963. Avtomatizatsiya, telemekhanizatsiya i priborostroyeniye (Automation, telemechanization and instrument manufacture), 226-233

TOPIC TAGS: transducer, telemeter, system telemetry, data transmission, data monitoring, monitoring sensor, transmission system, meteorology, commutator, sensor, transducer sensitivity, pulse counter, generator

ABSTRACT: A telemetering system which is required to monitor and transmit data from many sources is most economical when many monitoring sensors are used in connection with one measuring and transmitting system. A block diagram of such a system is shown in Figure 1 of the Enclosure. The majority of sensors used in meterology have transducers whose output electrical signal is varied either by voltage or impedance. These quantities are difficult to convert to digital form and usually require a physically moving commutator. When the sensor output is varied by frequency, proportional to the input variable, the reliability of the system increases since no moving contacts are required.

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CIA-RDP86-00513R001549520015-9

ACCESSION NR: AT4015862

The FM transducers available are mostly nonlinear for the range

$$\frac{\Delta f_{\rm p}}{f_{\rm max}} \leqslant 0.2 f_{\rm max^*} \tag{1}$$

where Δf_p is the operating frequency deviation of the sensor. Most non-linearities are of the form $f = k \sqrt{x}$. A compensation for the non-linear characteristic of the transducer element consists of multiplying the transducer output by a piecewise-linear approximation of the inverse of this non-linearity, so as to make the output of the measuring system of Figure 1 of the Enclosure directly proportional to the input variable. The block diagram of the measuring system is shown in Figure 2 of the Enclosure. The measurement is performed in two steps: determination of the number of the linearization segment and actual measurement with correction for non-linearity. For any element K, the timing system supplies a pulse which opens Gates 1 and 2. At the same time the inputs of two pulse counters are supplied with pulses at frequencies f_{rg} (reference generator) and f_k . When counter 1 is filled, it generates a pulse which closes both gates and signals the timing circuit that the first measuring stage is completed. The timing circuit forms a series of pulses required to read out from counter 2 a number which corresponds to the number of f_k .

Card 2/5

ACCESSION NR: AT4015862

the linearization segment. This number is used to select proper linearization constants (slope and intercept) from the block of constants in accordance with the number of the sensor element and the number of the linearization sector as recorded in both counters. As a result the counter 2 output gives a digital number N_k which corresponds to the magnitude of the measured variable in physical units. The block of constants is the most complex part of the system. A simple realization is given using ferrite-diode elements and the current distribution principle. The signal-to-noise ratio of the block is from 50 to 200. The system is capable of handling up to 40 sensors with a measurement accuracy of 0.2%. Orig. art. has: 7 formulas and 3 figures.

ASSOCIATION: Institut elektromekhaniki AN SSSR (Institute of Electromechanics AN SSSR)

SUBMITTED: 00

DATE ACQ: 20Dec63

ENCL: 02

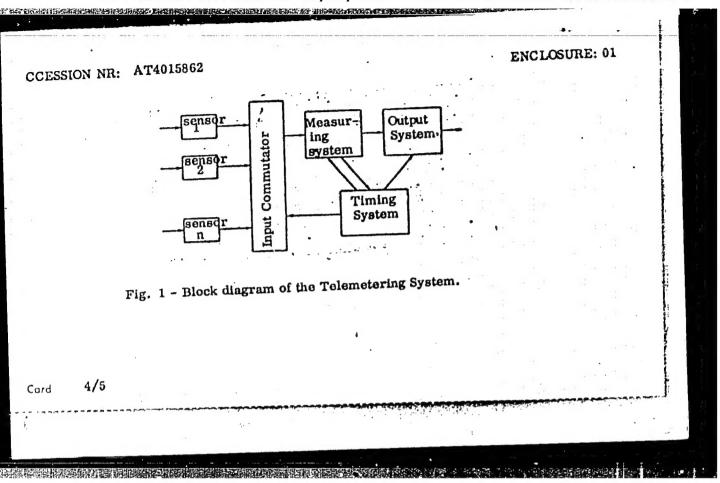
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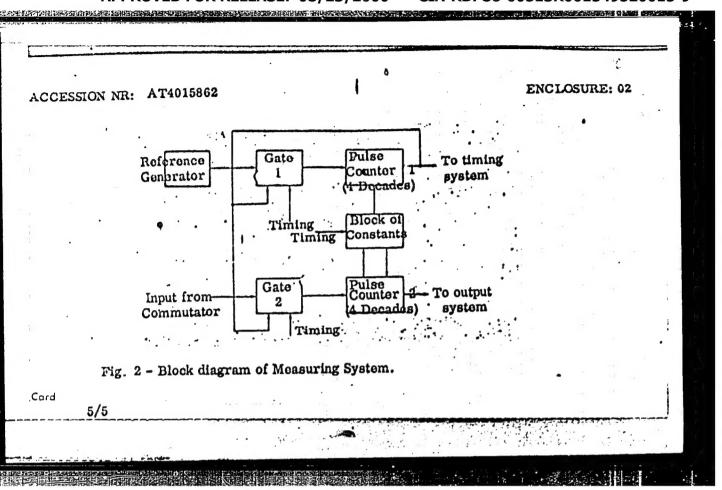
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OTHER: 000

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	Vasichev, B. N.; Der-Shy		V.; Shirobok, V. K.	
	dicronnalyzer for thin spec	V	-191	
IOPL TA	AGS: microanalyzer, stru	ctural analysis		•
BS-242 el	T: An x-ray microanalyzas of thin (2000 Å) foils is ectron microscope ("Tesla enlargement, 100-30,000;	described. The MA is bu a," Czechoslovakia) whos the picture can be obser	e resolution is up to yed on a 60 x 60-rnm	
170-Å вр	The MA sensitivity can be rayed nickel film, a 1.5-p	n probe diameter, 2×10 he intensity of the K-ling o	of nickel was	_
	mus iquartz crystal with a ing equal, the counting rate	U. For a thick pure-N	i specimen, other	
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ASSOCIATION: none					
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APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549520015-9"

ACCESSION NR: AP4019340

s/0181/64/006/003/0790/0795

AUTHORS: Isupov, V. A.; Strelets, P. L.; Serova, I. A.; Yatsenko, N. D.; Shirobokikh, T. M.

TITLE: Peculiarities of ferroelectric phase transitions in solid solutions of the system Na_{O.5}Bi_{O.5}TiO₃ -- PbTiO₃

SOURCE: Fizika tverdogo tela, v. 6, no. 3, 1954, 790-795

TOPIC TAGS: ferroelectric, phase transition, solid solution, Vegard law, dielectric polarization, crystal lattice structure

ABSTRACT: The authors' study stems from lack of information on the effect of diffusion of phase transitions on ferroelectric properties and from disagreement concerning the causes of the relaxation nature of dielectric polarization observed in ferroelectrics with diffused phase transitions. While investigating the dielectric properties and crystal structure in the system Na_{0.5}Bi_{0.5}Tio₃—

PbTiO3, the authors discovered a number of relationships. Their studies confirm the view that the diffusion of ferroelectric phase transitions declines with

Card 1/2

ACCESSION NR: APLO19840

increase in spontaneous polarization and spontaneous deformation of the solid solutions. At room temperature, the boundary between rhombohedral and tetragonal phases lies in the region of 0-10% PbTiO₃. The dependence of unit-cell volume on

component concentrations deviates considerably from the Vegard law. The Curie point of the examined solid solutions depends in nonlinear fashion on the concentration of PoTiO₂, reaching a minimum at a content of about 10 mol/%. Orig. art.

has: 4 figures and 1 table.

ASSOCIATION: none

SUBMITTED: 09Sep63

DATE ACQ: 31Mar64

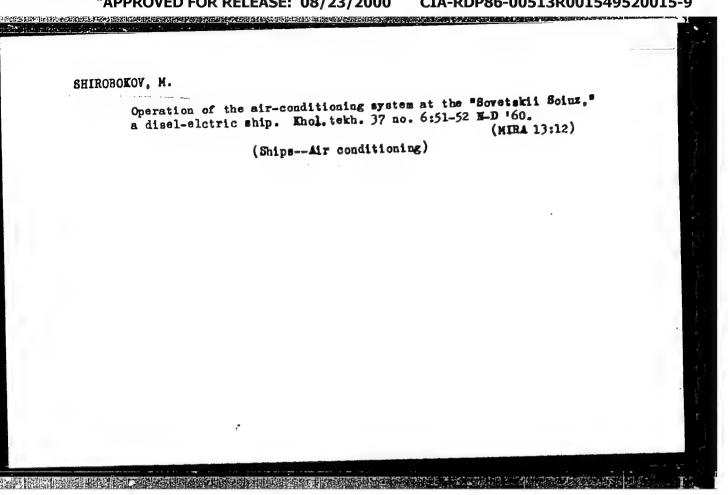
ENOL: 00

SUB CODE: SS

NO REF SOV: OL3

OTHER: 002

Card: 2/2



CIA-RDP86-00513R001549520015-9" APPROVED FOR RELEASE: 08/23/2000

SHIROBOKOV, M., mekhanik

Operating the air-conditioning system and refrigerator equipment on diesel-electric motorships. Rech. transp. 19 no.12:48-49 D '60. (MIRA 13:12)

l. Dizel'Elektrokhod "Sovetskiy Soyuz."
(Ships--Air conditioning)
(Refrigeration on ships)

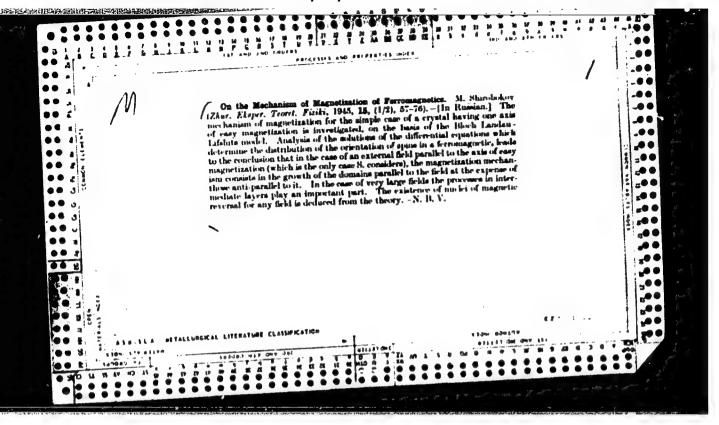
OL'FERT, A.I.; PAPUSHIN, L.L.; SHIROBOKOV, M.F.; KIMNIN, V.G. Improving the performance and increasing the output of slurry

jigging machines. Koks i khim. no.5:22 (MIRA 13:7)

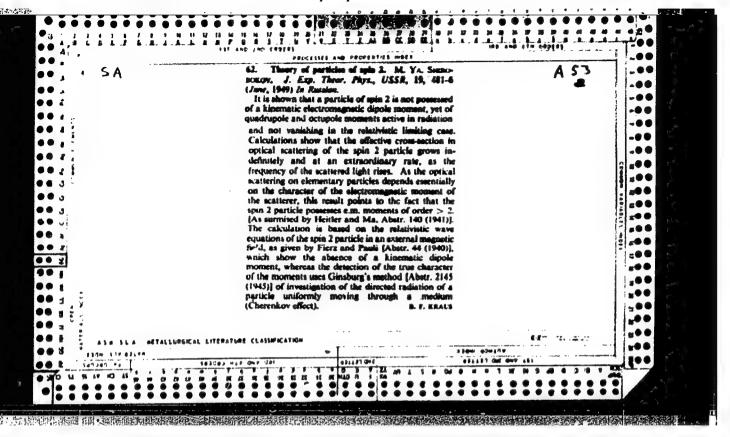
1. Opornaya issledovatel'skaya ugleobogatitel'naya laboratoriya Stalinskogo sovnarkhoza (for Olifert, Papushin, Shirobokov). 2. Yasinovskiy koksokhimicheskiy zavod (for Klenin). (Yasinovka-Coal preparation-Equipment and supplies)

CIA-RDP86-00513R001549520015-9" APPROVED FOR RELEASE: 08/23/2000

Mar., Physico-Technical Inst. Corkiy, State Univ., -1939-19-. "On the Mechanism of Cobalt Mar., Physico-Technical Inst. Corkiy, State Univ., -1939-19-. "On the Mechanism of Magnetization of Magnetization," Dok. All, 2h, No. 5, 1939; "On the Mechanism of Magnetization of Magnetization," Zhur. Eksper. i Teoret. Fiz., 15, Nos. 1-2, 1945; "Scattering of Light Ferro.mgmetics," Zhur. Eksper. i Teoret. Fiz., 15, Nos. 1-2, 1945; "Scattering of Light Particle," ibid. 12, No. 5, 1949.



		TA 170724	
TPOTOPKOV, M. YA.			
	USSR/Nuclear Physics - Scattering, Light	Jun 49	
	"Scattering of Light by a Spin-2 Particle," Shirobokov Physicotech Inst, Gorkiy State U	M. Ya.	
	"Zhur Eksper i Teoret Fiz" Vol XIX, No 6, pp	p 473-	
	Calculates effective cross section for scat of light by particle with spin 2 by quantum ical method of correspondence. Submitted 2		
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SHIROBOKOV, M. YA.

USSR/Physics - Piezoelectrics

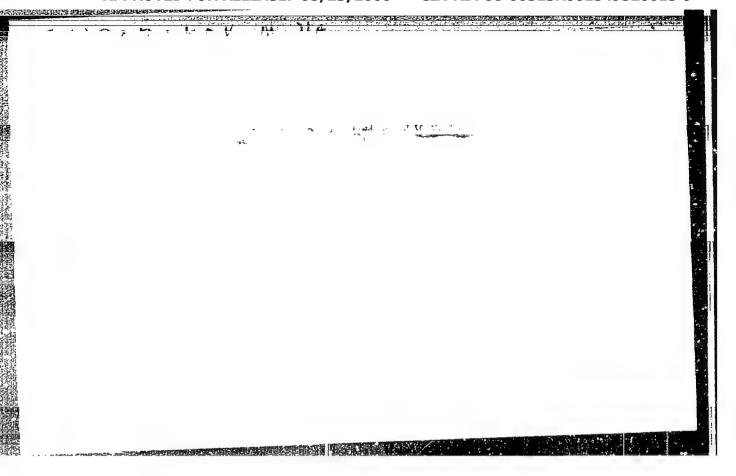
Nov 51

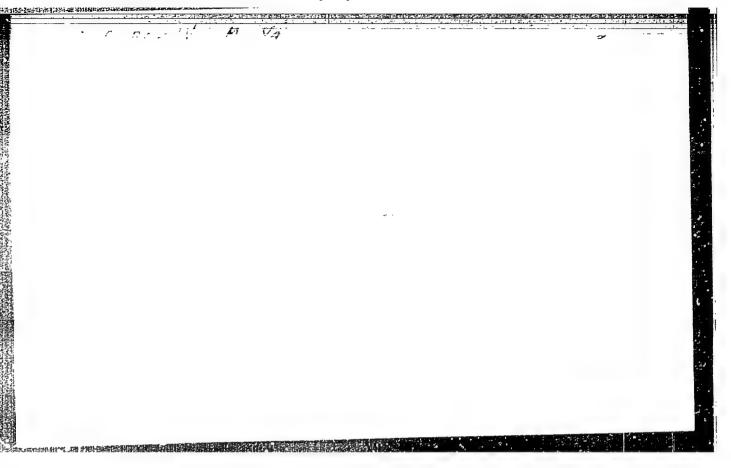
"Thermodynamic Theory of Piezoelectric (Rochelle-Salt) Phenomena in Crystals of the Barium Titanate Type," M. Ya. Shirobokov, L. P. Kholodenko, Phys-Tech Inst, Gor'kiy State U

"Zhur Eksper i Teoret Fiz" Vol XXI, No 11, pp 1239-1249

Develops thermodynamic theory of piezoelec phenomena in crystals of cubic symmetry. Computes tensor components of dielec consts in absence of elastic tensions in weak elec fields, and also tensor components of piezoelec moduli for all possible phases. Acknowledges assistance of Prof V. L. Ginzburg. Submitted 13 Dec 50.

Nov 51 electric (Rochelle-Salt) Properties of alectric (Rochelle-Salt) Properties of the BaTi03 Type Near the Curie Point sence of Elastic Tensions," L. P. Kholo- M. Ya. Shirobokov, Phys-Tech Inst, Gor'kiy U Eksper i Teoret Fiz" Vol XXI, No ll, 0-1261 O-1261 O-1261 Physics - Piezoelectrics of BaTi03-type crystals whis point in presence of elastic tensions where particular cases admitting full soin. Tanges of marameter values corresponding to ranges of marameter values corresponding to pertaining to electrostriction of crystal pertaining to electrostriction of crystal pertaining to electrostriction of crystal tensor of dielec consts. Acknowledges as- tensor of dielec consts. Acknowledges as- tensor of Frof V. L. Ginzburg. Submitted to 50.	"Piexoelectric (Rochelle-Salt) Pro Crystals of the BaTiO ₃ Type Near the BaTiO ₃ Type Near the Processor of Elastic Tensions," denko, M. Ya. Shirobokov, Phys-Tecstate U "Zhur Eksper i Teoret Fiz" Vol XXI pp 1250-1261 Discusses balanced states of BaTion some particular cases admittifor some particular cases admittifor some particular cases admittified at a pertaining to electrostrictical data pertaining to electrostrictictical data pertaining to electrostrictictical data pertaining to electrostrictictictical delectrostrictictical data pertaining to electrostrictictictical delectrostrictictical delectrostrictictical delectrostrictical data pertaining to electrostrictictictical delectrostrictictical delectrostrictictical delectrostrictical delectrostrictictical delectrostrictical delectrostrictictical delectrostrictical delectro
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USSR/Physics - Electron scatter

Card 1/1

Pub. 146 - 7/34

Author

: Ovsyannikova, I. A., and Shirobokov, M. Ya.

Title

: Dynamic theory of scatter of electrons in crystals

Periodical

: Zhur. eksp. i teor. fiz. 28, 695-698, Jun 1955

Abstract

: On the basis of the dynamic theory of scattering of electrons in crystals in the presence of two strong beams the authors obtain a formula for the intensities of the symmetrically scattered beams of fast electrons. They consider scattering in convergent rays. They thank Professor Z. G. Pinsker. Five references, including two USSR: Z. G. Pinsker, Diffraktsiya elektronov (Diffraction of electrons], Acad. Sci. USSR Press, 1949; Z. G. Pinsker and B. K.

Vaynshteyn, Acad. Sci. USSR Press, Vol. 14, 2, 1950.

Institution : Gor'kiy State University

Submitted

: May 10, 1954

CHIROBOKOV, In. VA.

PA - 3543

KHOLODENKO, L.P., SHIROBOKOV, M.IA.

APPROVED FOR RELEASE: 087/21/2000 is CTATREPSS 00513R001549520015
Barium Titanate Ceramic! (1/2000 is CTATREPSS 00513R001549520015
polyarizovannoy keramiki titanata bariya, Russian)

polyarizovannoy keramiki titanata bariya, Russian) AUTHOR: TITLE:

Zhurnal Tekhn. Fiz., 1957, Vol 27, Nr 5, pp 929 - 935 (U.S.S.R.)

PERIODICAL:

ABSTRACT:

Investigation is confined to an ideal polycrystal, i.e. heterogeneity of the interior voltages, electric fields and the crystalline structure are neglected. It is assumed that the crystallographical axis of the individual crystal particles are distributed chaotically, but that the sample in its entirety was previously polarized, that the vector of spontaneous polarization of each crystal particle shows that of the possible equivalent directions which form the smallest angle with the direction of the resulting polarization of the sample. On this basis those results may be used as were obtained for a monocrystal. Computation of the dielectric and piezoelectric properties of a polycrystalline sample is reduced to simple averaging. The tensors of the dielectric constants and the piezomoduli of the polarized ceramic of BaTiO, are computed for all three seignette-electric phases. It is of advantage to compute the tensors of the piezoelectric moduli by means of a special form of the tensor of the voltages on in an x-, y-, z-coordinate system, which is connected with the sample as a whole. Besides,

card 1/2

L 6412-66 EVT(1)/T/EVA(h) IJP(c) AT

ACC NR: AP5027416 SOURCE CODE: UR/0181/65/007/011/3356/336

AUTHOR: Vastkin, V. V.; Uskov, V. A.; Shirobokov, M. Ya.

ORG: Gorskovskiy State University (Gor'kovskiy gosudarstvennyy universitet im. N. I. Lobachevskogo)

TITLE: Effect of an internal electric field on diffusion of impurities in semiconductors

SOURCE: Fizika tverdogo tela, v. 7, no. 11, 1965, 3356-3362

TOPIC TAGS: semiconductor theory, electric field, metal diffusion

ABSTRACT: This paper gives a theoretical analysis of the effect which an internal electric field generated by ionized impurity particles and current carriers has on the distribution of impurity concentration in semiconductors. It is assumed that the coefficient of diffusion is independent of concentration. The analysis is based on an approximate solution of the diffusion equation together with the Poisson equation. The calculated concentration profiles are compared with experimental data on diffusion of antimony into germanium. It is shown that when surface concentrations

Card 1/2

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L 6012-66
ACC NR: AP5027416

are comparable to or greater than the concentration of current carriers, where the field effect becomes noticeable, the distribution of impurity atoms differs from the well known expression (circled p 3356) corresponding to diffusion from a constant source without regard to the field. The results may be extended to the case of acceptor diffusion into intrinsic and extrinsic semiconductors. Curves are given for a as a function of surface concentration for intrinsic semiconductors and for those predoped with donors and acceptors. In conclusion, the authors are grateful to y.

6. Metrikin and y. M. Maslova for assistance in carrying out the numerical calculations on a computer. Orig. art. has: 4 figures, 24 formulas.

SUB CODE: SS,EM/ SUBM DATE: 09Mar65/ ORIG REF: 001/ OTH REF: 006

ORLOW, V.P.; SHIROBOKOW, M.Ya.

Adsorption of nonpolar molecules on gentanium and filicon.

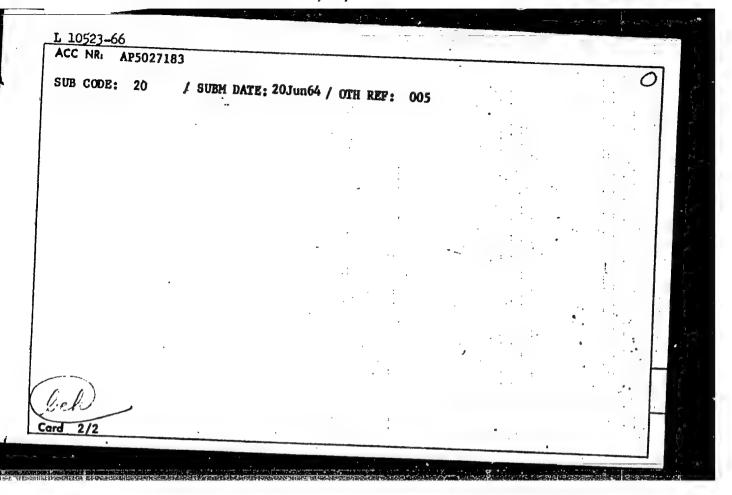
Zhur. 112. khim. 39 no.9:2215-2218 S '65. (MRKA 18:10)

1. Gor'kowskiy isaladovatal'skly fiziko-takhnicheskly institut.

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SOURCE CODE: UR/00/6/65/039/010/2573/2576
                                                                                                    EWT(m)/EPF(n)-2/EWP(t)/EWP(b)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   76
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 B
                                   L 10523-66
                                       AUTHOR: Orlov, V. P.; Postnikov, V. V.; Shirobokov, H. Ya.
                                          ORG: Gor'kiy Scientific Research Physicotechnical Institute (Gor'kovskiy issle-
                                    ACC NR: AP5027183
                                            TITLE: Estimate of oxygen content in germanium and silicon films obtained by
                                          dovatel skiy fiziko-tekhnicheskiy institut)
                                                SOURCE: Zhurnal fizicheskoy khimii, v. 39, no. 10, 1965, 2573-2576
                                                  TOPIC TAGS: oxygen, epitaxial growing, germanium, silicon, metal vapor deposition,

SEMICO DUCCTING FILM

ARGENTACTO TO THE SECOND CONTROL OF THE OWNERS OF 
                                               vacuum deposition
                                                      ABSTRACT: The determination of the oxygen content in evaporated germanium and silicon
                                                       ABSTRACT: The determination of the oxygen content in evaporated germanium and silico films was made in two steps: first the amount of oxygen adsorbed on pure the volume surfaces during the deposition of a single monolayer was calculated, then the surfaces during the deposition of a single monolayer was calculated.
                                                          oxygen concentration was found by multiplying by the number of monolayers per centi-
                                                          oxygen concentration was round by multiplying by the number of monorayers per dental meter of thickness of the film. Oxygen concentrations calculated for various depositions and the films of the films
                                                            tion rates and substrate temperatures in Ge and Si films grown in the 1007 direction
                                                             are tabulated. The calculations were made for an oxygen pressure P = 10-b mm Hg; in
                                                              are tabular value by 100 n. The results are applicable to estimates of orwest content.
                                                               order to obtain the concentration at other pressures P, it surfices to muttiply the tabular value by 106 p. The results are applicable to estimates of oxygen content tabular value by 106 p. The results are applicable to estimates of oxygen content tabular value by 106 p. The results are applicable to estimate or oxygen content tabular value by 106 p. The results are applicable to estimate or oxygen content tabular value by 106 p. The results are applicable to estimates of oxygen content tabular value by 106 p. The results are applicable to estimates of oxygen content tabular value by 106 p. The results are applicable to estimate of oxygen content tabular value by 106 p. The results are applicable to estimate of oxygen content tabular value by 106 p. The results are applicable to estimate of oxygen content tabular value by 106 p. The results are applicable to estimate of oxygen content tabular value by 106 p. The results are applicable to estimate of oxygen content tabular value by 106 p. The results are applicable to estimate or oxygen content tabular value by 106 p. The results are applicable to estimate or oxygen content tabular value by 106 p. The results are applicable to estimate or oxygen content tabular value by 106 p. The results are oxygen content tabular value by 106 p. The results are oxygen content tabular value by 106 p. The results are oxygen content tabular value by 107 p. The results are oxygen content tabular value by 107 p. The results are oxygen content tabular value by 107 p. The results are oxygen content tabular value by 107 p. The results are oxygen content tabular value by 107 p. The results are oxygen content tabular value by 107 p. The results are oxygen content tabular value by 107 p. The results are oxygen content tabular value by 107 p. The results are oxygen content tabular value by 107 p. The results are oxygen content tabular value by 107 p. The results are oxygen content tabular value by 107 p. The results are oxygen content tabular value by 107 p. The results are oxygen content
                                                                 in Ge films grown in the \int 100 direction, and in Si films grown in the \int 100 and
                                                                  /111/ directions. Certain conclusions are drawn regarding the conditions of growth
                                                                    of epitaxial films.
                                                                                              1/2
                                                                    Card
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ACC NR: AP/005329

SCURCE CODE: UR/O131/C6/C03/012/3467/3473

AUTHOR: Vas'kin, V. V.; Metrikin, V. S.; Uskov, V. A.; Shirobokov, M. Ya.

ORG: Gor'kiy State University im. N. I. Lobachevskiy (Gor'kovskiy gosudarstvennyy universitet)

TITLE: Influence of internal electric field on simultaneous diffusion of impurities in semiconductors

SOURCE: Fizika tverdogo tela, v. 3, no. 12, 1966, 3467-3473

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TOPIC TAGS: semiconductor impurity, physical diffusion, hf transistor, germanium semiconductor, crystal effect

ABSTRACT: In view of the importance of simultaneous diffusion of two components of semiconductors to the manufacture of high-frequency transistors and similar devices, the authors investigate theoretically the influence of the internal electric field on simultaneous diffusion of donors and acceptors in an intrinsic semiconductor. The mathematical analysis yields a set of formulas and theoretical curves for the distribution of the donor concentration in a diffusion layer. The theoretical results were compared with experimental data obtained for the simultaneous diffusion, at were compared with experimental data obtained for the simultaneous diffusion, at 795C, of indium and antimony in germanium, using In¹¹⁴ and Sb¹²⁴ as radioactive tracers. The distribution of the donors and acceptors was determined by successive removal of layers. The results have shown that the donors have little influence on the diffusion of acceptors, but the effect of acceptors on the diffusion of donors is

Card 1/2

ACC NR: AP/005829

appreciable. This is due to differences in the diffusion coefficients of the two substances. The deceleration of the donors increases the increasing acceptor concentration. For the same surface concentration of the acceptors, the influence of the acceptors on the donor diffusion is greater when the donor concentration is low. Some discrepancies between the theoretical and experimental data were observed, and these are attributed to formation of defects. Orig. art. has: 3 figures, 16 formulas, and 1 table.

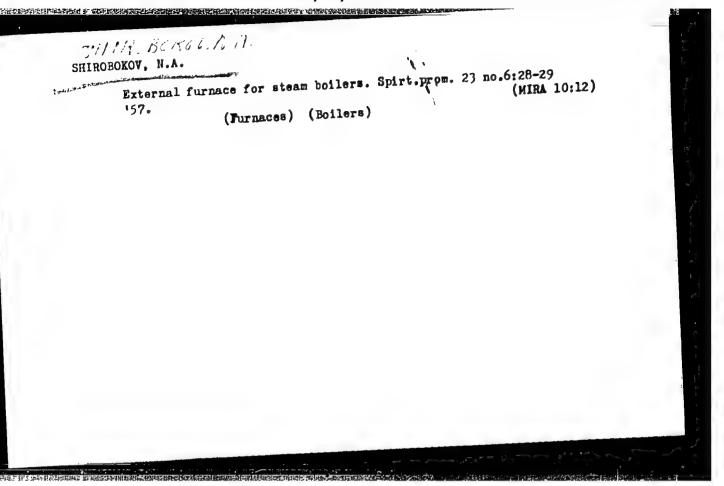
SUB CODE: 20/

SUBM DATE: 07Feb66/

ORIG REF: 006/

OTH REF: 005

Card 2/2



CHATSKIY, P.A., SHIROBOKOV, H.A.

Dextrin-producing apparatus with chamber heating. Sakh.prom.
(NIRA 13:7)
34 no.7:69-70 J1 '60.

1. Chernigovæiy spirtotrest.
(Starch industry-Equipment and supplies)
(Dextrin)

CHATSKIY, P.A.; SHIROBOKOV, N.A.

Cooking potato pulp in a combined processing of potatoes.

Spirt.prom. 28 no.2:28-30 '62. (MIRA 15:3)

1. Chernigovskiy spirtovoy trest.
(Distilling industries) (Potatoes)

CHATSKIY, P.A.; SHIROBOKOV, N.A.

Utilization of waste steam in the continuous boiling to pulp of starchy raw material. Spirt.prom. 29 no.5:34-35 163. (MIRA 17:2)

1. Chernigovskiy spirtorest.

SHIR(BOKOV, N.M., general-mayor aviatsii, voyennyy letchik pervogo klassa,
KUZNETSOV, V.A. polkovnik, voyennyy letchik pervogo klassa,
POPOV, A.M., polkovnik; VAZHIM, F.A., podpolkovnik; MAZAROV, O.A.,
mayor, Prinimali uchastiye: MAROV, S. I., podpolkovnik, dotsent,
kand. voyennykh nauk; D'YACHENKO, Yu.T., podpolkovnik, kand.
voyennykh nauk; D'YACHENKO, G.Kh., mayor zapasa.

Other command posts could also operate this way. Vest.Vozd.Fl.
no.10:2-21 0 '60.

(Aerial warfare)

SHIROBOKOV, P.A., zasluzhennyy vrach RSFSR

Work of the permanent medical task forces in Khanty-Mansi National Work of Tyumen' Province. Zdrav. Ros. Feder. 5 no.11:24-26 N '61. Area of Tyumen' Province. Zdrav. Ros. Feder. 5 no.11:24-26 N '61.

1. Glavnyy vrach Khanty-Mansiyskoy okruzhnoy bol'nitsy.
(KHANTY-MANSI NATIONAL AREA-MEDICINE, RURAL)

CIA-RDP86-00513R001549520015-9" APPROVED FOR RELEASE: 08/23/2000

SHIROBOKOV, Stepan Ivanovich; ALEKSEYEVA, Ye.N., red.; VORONTSOVA, Z.Z., tekhn. red.

[The Udmirt A.S.S.R.; economic and geographical features] Udmurt-skaia ASSR; ekonomiko-geograficheskaia kharakteristika. Izhevsk, Udmurtskoe knizhnoe izd-vl, 1961. 214 p. (MIRA 15:1) (Udmurt A.S.S.R.—Economic geography)

L 3918-66 EWT(1)/EWA(1)/EWA(b)-2 JK

ACCESSION NR: AP5023552

UR/0219/65/060/008/0089/0092 576.858.23.098.06

31 28

AUTHOR: Shirobokov, V. P.

TITLE: Infectivity of total RNA recovered from new-born mice infected with Cox-

sackie A-10 virus

SOURCE: Byulleten' eksperimental'noy biologii i meditsiny, v. 60, no. 8, 1965,

89-92

TOPIC TAGS: virus, nucleic acid, ribonucleic acid, desoxyribonucleic acid, enzyme,

infective disease, nervous system disease

ABSTRACT: Infectious RNA was extracted from the carcases of new-born mice infected with Coxsackie A-10 virus. It was found that infectivity of the RNA preparations, as determined by & deaths of mice infected, was significantly higher in subcutaneous inoculations than in intraperitoneal (95% in s.c., 62% in i.p.). This difference is attributed to the presence of RNA-ase in the peritoneal fluid. To determine if the active element in the preparations was RNA itself or some contaminant, the preparations were treated with nucleases. The results indicated that it is indeed the RNA which is responsible for the infectivity since the RNA prepara-

Card 1/2

L 3918-66

ACCESSION NR: AP5023552

tions treated with DNA-ase and whole virus suspensions treated with RNA-ase produced mortalities of 83% and 100%, respectively, as compared to 0.18% with RNA-ase treated RNA preparations. It was also found that bentonite stabilizes the RNA solutions since without it the preparations lost their infectivity after 24 hour storage at 4°C. This is attributed to the ability of bentonite to inactivate RNA-ase. Although the present investigation has shown the infectivity of total RNA, it is not yet clear what role, if any, is played by collular RNA and protein, whether RNA from purified virus is infectious, or which of the ribonucleic acids constituting total RNA are infectious and which are not. Orig. art. has: 3 tables

ASSOCIATION: Kafedra microbiologii Kievskogo meditsinskogo instituta (Department of Microbiology, Kiev Medical Institute)

SUBMITTED: 14Apr64

ENCL: 00

SUB CODE: LS

NO REF SOV: 004

OTHER: 009

USSR/General Problems of Pathology - The Pathophysiology of the U Infectious Process.

: Ref Zhur Biol., No 1, 1959, 4114 Abs Jour

: Ishimova, L.M., Shirobokov, V.V. Ata

: Kuybyshevk Society of Amotomo-Pathologists with a Inst

Section of Pathophysiology.

: On the Problem of Neuroreflex Mechanisms in the Title

Pathogenesis of Dyseltery.

: Sb. mauchin. rabot Kuybyshevsk. o-va patologoanatorny s Ori Pub

sektsiyey patofiziol. Kuybyshev, 1957, 37-46

: In experiments on dogs and rabbits the administration of Abstract

the dysenteric entiren (endotoxin of Flexuer's bacillus or vaccine) intrevenously or into the lement of the intestime, or into its blood vessels, led to excitation of

the respiratory movements and to an insignificant

Card 1/2

USSR/General Problems of Pathology - The Pathophysiology of the Unfections Process.

Abs Jour : Ref Zhur Biol., No 1, 1959, 4114

的特别的是"引用在100mm"。[17]是现代了,并不是100mm,这种100mm,并不是2010年,并是2010年,100mm,

elevation of the arterial pressure. Following antigenic stimulation of the intersceptors of the small intestine an insignificant constriction of the blood vessels, a brief depression of peristalsis and a fall of the musculature tonus occurred in the large intestine. The threshold of excitability of the barbreceptors of the small intestine decreased to a greater extent than that of the large intestine i.e., the excitability of the receptors of the intestine to mechanical stimulation increased following contact with the antigen injected into the blood.

-- K.D. Gruzdev

Card 2/2

- 17 -

ISHIMOVA, L.M., SHIROBOKOV, V.V. (Kuybyshev).

(Rus))

Viscero-visceral reflexes in the intestine in experimental dysentery intoxication. Pat.fiziol. i eksp.terap. 2 no.4:15-20 Jl-Ag '58 (MIRA 11:12)

l. Iz kafedry patologicheskoy fiziologii (sav. doktor med.nauk L.M. Ishimova) Kuybyshevskogo meditsinskogo instituta. (DYSENTERY, BACILLARY, exper. viscero-visceral intestinal reflex changes in dogs

WW/JWD/RM SOURCE CODE: UR/0190/66/008/005/0938/0942 IJP(c) EWT(m)/T/EWP(j) L 32683-66 107 ACC NRAP6015058 (A) AUTHOR: Vasil'yev, B. V.; Tarakanov, O. G.; Demina, A. I.; 6 Shirobokova, A. I. ORG: Scientific Research Institute of Synthetic Resins (Nauchnoissledovatel skiy institut sinteticheskikh smol) TITLE: Investigation of polyurethane crystallization SOURCE: Vysokomolekulyarnyye soyedineniya, v. 8, no. 5, 1966, 938-942 TOPIC TAGS: polyurethane, crystal lattice, glycol, isocyanate, polymer crystallization, copolymerization, molecular weight ABSTRACT: The crystallization capacity and morphological structural types as a function of the chemical composition of polyurethane has been studied. The crystalline lattice of polyurethane depends on the initial isocyanate and glycol structures. The crystalization capacity of polyurethane drops with an increase in the polyester molecular weight up to 1000. In the case of polymers with a polyester base and molecular weight above 1000, the polyurethane could crystalize. However, in this case the crystalline lattice structure does not depend on the diso-The degree of cyanate structure but only on the polyester structure. UDC: 678.01:53+678.664 Card 1/2

	015058 zation can be	changed by cop	olymerization.	Orig. art. has: [NT]	0
UB CODE:	11, 07/ SUBM	DATE: 26May65	/ ORIG REF: 009		
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2/2					

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001549520015-9

3-725

5/196/62/000/009/004/018 E114/E184

AUTHOR:

Shirobokova, A.P.

TITLE:

Comparative thermo-magnetic treatment in direct

and alternating fields

PERIODICAL: Referativnyy zhurnal, Elektrotekhnika i energetika, no.9, 1962, 1, abstract 9 B4. (Materialy nauchn. konferentsiy. Izhevskiy s.-kh. in-t, no.8, 1961,

Studies were made of the effects of thermo-magnetic treatment, at a field strength of 50 oersted, on the magnetising curve of a specimen strip of transformer steel sheet and on a nickel wire specimen. It was established that for nickel the maximum permeability increases by 5% for thermo-magnetic treatment in a d.c. field, and by 4% if a 50 c.p.s. field is applied: for transformer sheet the increase was 18% and 30% respectively. An attempt is made to explain the different results obtained in a d.c. and an a.c. field by utilizing the hypothesis of Shur and Glyazer on the new structural state Card 1/2

Comparative thermo-magnetic ... S/196/62/000/009/004/018 E114/E184

formed during thermo-magnetic treatment. 5 references.

[Abstractor's note: Complete translation.]

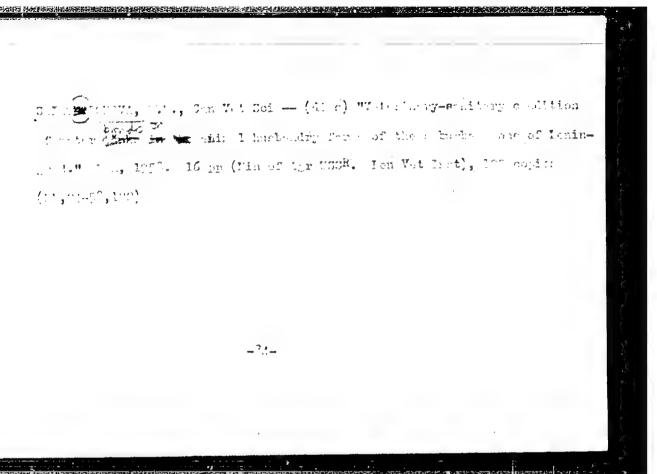
Card 2/2

SHIROBOKOVA, M.M., kand.veter.nauk

Survival of tuberculosis pathogens in peat manure. Veterinariia 41 no.10:71-74 0 164.

(MIRA 18:11)

1. Leningradskiy veterinarnyy institut.



SHIROBOKOVA, M.M., kand. veterin. nauk

Disinfecting containers for the transportation of eggs. Veterinaria 38 no.8:69 Ag *61 (MIRA 18:1)

1. Leningradskiy veterinarnyy institut.

KARKADINOVSKAYA, I.A., doktor veterin. nauk; ZUBKOV, A.P., assistent; SHIROBOKOVA, M.M., kand. veterin. nauk

Improvement of the serological diagnosis of brucellosis in cattle. Veterinaria 38 no.11:73-76 N '61 (MIR& 18:1)

1. Leningradskiy veterinarnyy institut.

STRIED/SPA(S)-c/ENT(m)/ENP(i)/ENA(d)/EPA(w)-2/ENP(.)/ENP(2) ACC NR. AP5028131 # 11(1)/TWA(1) SOURCE CODE: UR/0048/65/029/011/2104/2106 IJP(c) JD/GG/NH AUTHOR: Vorbitskaya, T. N.; Aleksandrova, L. M.; Shirobokova, Ye. 85 ORG: none TITLE: Electric properties of "Varikond" films with square hysteresis loops Report, Fourth All-Union Conference on Ferro-electricity held at Rostov-on-the Don 12-16 SOURCE: AN SSSR. Izvestiya. Seriya fizicheskaya, v. 29, no. 11, 1965, 2104-2106 TOPIC TAGS: ferroelectric material, ceramic material, ceramic film, Curie point, dielectric constant, nonlinear effect, electric polarization, hysteresis loop ABSTRACT: In an effort to obtain a ferroelectric ceramic with a highly nonlinear dielectric constant and a nearly rectangular dielectric hysteresis loop, the authors have investigated materials with a nearly cubic rhombohedral perovskite structure and have synthesized by undisclosed techniques a (possibly barium titanate base) ceramic of undisclosed composition with they call VK-6" and which has the following properties: Curie point, above 200°C; coercive field 5-7 kV/cm, total polarization, 18-20 cm²; resistivity, 10¹² ohm cm at 100°C; nonlinearity factor (ratio of maximum to low-field dielectric constant), 20-50; and hysteresis loop squareness ratio (T.N. Verbitskaya, L.M. Aleksandroba, and L.S. Sinitsyna, Izv. AN SSSR. Ser. fiz., 24, No. 10, 1291 (1960)), 0.85-0.94. Disadvantages of this material are its high coercive and Card 1/2

L 7852-66

ACC NR: AP5028131

control fields. In an effort to eliminate these disadvantages, thin (5 to 100 μ) films of VK-6 were produced by an undisclosed technique and their ferroelectric properties were investigated. The Curie points, weak-field dielectric constants, squareness ratios, and saturation polarizations were approximately the same for the thin films as for the bulk material. The maximum dielectric constant was reduced from 2 x 10⁴ for the bulk material to 10^4 for the 5-10 μ films, and the nonlinearity factor was therefore correspondigly reduced. The potential at which the dielectric constant was maximum, however, was reduced from 250 V for the bulk material to 10-20 V for the 5-10 μ films, and the saturation voltage was reduced from 600-600 V to 60-100 V. The pulse amplitude controlling switching was 30-60 V for the 10 μ films, and the switching time on a 10 ohm line was 0.3-0.7 μ sec. It is concluded that thin films of VK-6 can be produced which retain the high nonlinearity and hysteresis loop rectangularity of the bulk material and have considerably reduced controlling and switching voltages.

SUB CODE: SS, EM

Orig. art. has: 3 figures and 1 table.

SUEM. DATE: 00/

ORIG. REF: 003 OTH REF: 002

Card 2/25/10

APPROVED FOR RELEASE: 08/23/2000 CIA-I

CIA-RDP86-00513R001549520015-9"

SHIROCHENKO, V.

Indexes of the plan for ship repair. Mor.i rech.flot 13 no.5:20-22 S '53.

(MLRA 6:10)

(Ships--Maintenance and repair)

White or her no, 1.2

SINYUTIN, B.P.; SHIROCHENKO, V.E.; BIRYUKOV, Yu.P., professor, redaktor; VOLCHOK, K.M., tekhnicheskiy redaktor.

[Ways of economizing nonferrous metals in ship repairs] Puti ekonomii tsvetnykh metallov pri sudoremonte. Pod. red. IU.P. Biriukova. Leningrad, Gos. izd-vo vodnogo transporta, 1954.
215 p. (MIRA 7:12)

(Nonferrous metals)(Ships-Maintenance and repair)

SHIROCHENKO, V.Ye., inzhener

Reinforcement weld deposition on brass rods. Svar.proisv. no.7:23-24 Jl 155. (Electric welding) (MIRA 8:9)

SHIROCHENKO, V., inshener.

Producing packing glands for ship refrigerators. Mor.flot 15 no.2: 26-27 F 155.

(Packing (Mechanical engineering))

SHIROCHENKO, Vladimir Yevdokimowich; ZENEVICH, G.B., red.; BEGICHEVA, M.N.,

PRINCIPAL PROPERTY PROPERTY OF THE PROPERTY OF

[Material saving practices of the Odessa shipbuilding and ship repairing plant] Opyt ekonomii materialov na Odesskom sudostroitel'-no-sudoremontnom zavoda. Moskva, Izd-vo "Morskoi transport," 1957.
94 p. (MIRA 11:2)

FLORINSKIY, F.V., prof.; VOLOSHINA, L.P., dots.; LYAKHOVITSKIY, S.I., kand. tekhn.nauk; SHIRCCHENKO, Ye.V., dots. [deceased]; ARCHAKOVA, L.A., inzh.; GVAY, T.B., inzh.; MURZINA, Z.I., inzh.

Results of research on screen vibrating in the horizontal horizontal plane. Izv.vys.ucheb.zav.; gor.zhur. no.2:167-170 '60. (MIRA 14:5)

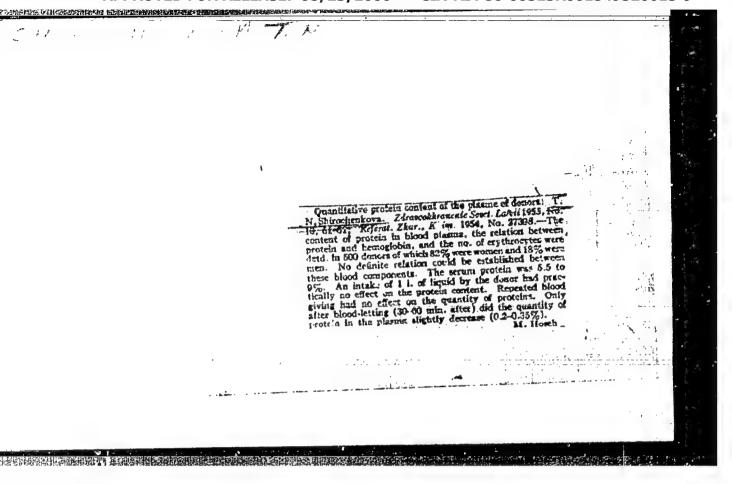
1. Dnepropetrovskiy gornyy institut.
(Screens (Mining))

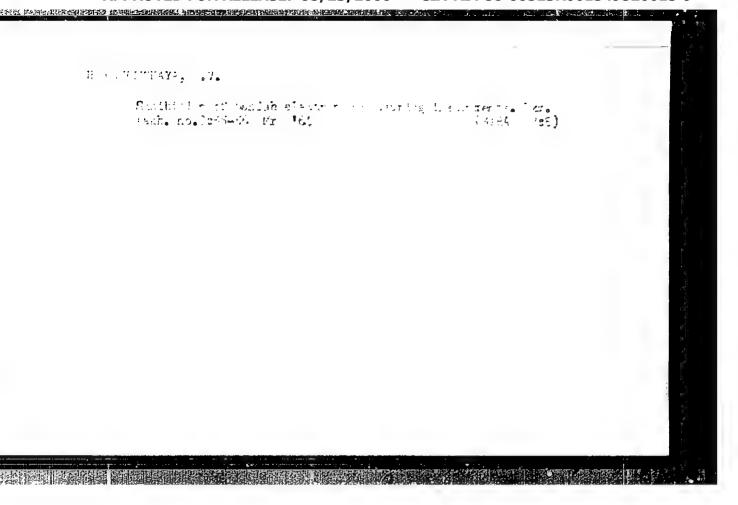
STATES AND THE RESIDENCE OF THE RESIDENCE OF THE STATES AND THE ST

SHIROCHENKO, Ye.V., kand.tekhn.nauk [deceased]; CHUDNOVSKIY, V.Yu., inzh.; TRUDOV, V.N., inzh.; KUDLOV, L.V., inzh.; MURZINA, Z.I., inzh.

Experimental checking of the design calculations of the metal structures of mobile transport bridges. Ugol' Ukr. 6 no.5: 13-16 My '62. (MIRA 15:11)

1. Dnepropetrovskiy gornyy institut.
(Transport bridges—Design and construction)
(Ukraine—Strip mining)





SHIRCCHEMOKIY, H.

Radio-Ashkhabad

Pupils of the Ashkhabad radio club. Radio No. 9, 1952.

9. Monthly List of Russian Accessions, Library of Congress, December 1952. UNCIASSIFIED.

SHIROCHEMSEAYA, I.V.

Basic trends of information services in the area of mensuration and measuring equipment. Standartizatsiia 29 no.10:49-50 0 165.
(MIRA 18:12)

KRUG, Yelena Karlovna, kand. tekhn. nauk; SHIROCHENSKIY, Sergey

Ivanovich, inzh.; MORDVINOVA, N.P., inzh., ved. red.;

GONCHAROV, I.V., kand. tekhn.nauk, red.; PCNOMAREV, V.A.,
tekhn. red.

[Contactless control device with impulse control of the executive motor] Beskontaktnoe reguliruiushchee ustroistvo s impul'snym upravleniem ispolnitel'nym dvigatelem. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 9 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 42. No.P-58-47/4) (MIRA 16:2) (Automatic control) (Electric controllers)

DEMENT'YEV, V.A., kand.texnn.nauk; OSHANIN, D.A., kand.pedagog.nauk; VINLA, V.F., inzh.; GROUNDON, R.R., inzh.; MEL'NIKOV, I.V., inzh.; MECHAYEV, B.Ya., inzh.; RYBACHEV, N.V., inzh.; SMIGEL'SKIY, S.Ya., inzh.; STEPANOV, V.I., inzh.; TIMOFEYEV, V.A., inzh.; SHIROCHENSKIY, V.I., inzh.

Control of the operation of an overall automatic block, Mekh. i avtom.proizv. 19 no.2:47-52 F 165. (MIRA 18:3)

SHIROCHIH. A.H.

Prevention of agricultural traumatism. Zdrav. Bel. 8 no.6: 54-55 Je 62. (Alica 16:8)

1. Iz travmatologicheskogo otdeleniya (zav. A.N. Shirochin) Vileyskoy oblastnoy bol'nitsy Minskoy oblasti (glavnyy vrach A.S. komashko). (AGRICULTURE—SAFETY MEASURES)

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001549520015-9

101 FIL-2/FW1 E /TDP/11/EWE/11 Pg-4/Pk-4/Pn-4/Pg-4 IJF(c) 142 64, 3 3 3 56

en en e. A. A. T. Shire has, V. P.

[17] I refer to a liman-machine coupling in a system of group programed the thing to a digital computer

SCURUE, IVUZ. Radiotekhnika, v. 7, no. 5, 1964, 556-562

TOPIC TAGS: student teaching, digital computer teaching, programed teaching

ABSTRACT: The coupling between a 200-student group and a "Minsk"-type digital computer is considered in a teaching-learning "combined" system which melides programed textbooks, texts, and a universal noiseless multichannel expected. Each student has a benenboard with a keyboard for setting up the Contact of the by him and a signal register supplying the computer's recommen-La 1964. The computer analyzes the student's answer, evaluates it, and issues a "orresponding instruction or recommendation. The coupling system (consisting

Cord 1/2

"APPROVED FOR RELEASE: 08/23/2000

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L 25753-65

ACCESSION NR: AP5002036

of Soviet equipment described in some detail) comprises a switch, a distributor, and a buffer storage. The switch is intended for sequential connection of bench-board code trunks to the computer and for connecting the computer to the bench-boards. The distributor changes the switch operation from input to output and reversa. The buffer storage holds the recommendation code during the time of decoding of the benchboard number by the switch. A medium-speed (about a operations per sec) machine is required. Orig. art. has: 6 figures and appearations.

ASSUCIATION, none

SURMITTED: 25Jan64

ENCL: 00

- H FUE DP

NO REF SOV: 002

OTHER: 000

RAKUT', V.S.; SHIROCHILA, V.P.

Pregnancy and the course of labor in the case of a double uterus. Zdrav. bel. 8 no.1:62-63 Ja '62. (MIRA 15:3)

1. Iz kafedry akusherstva i ginekologii (zaveduyushchiy - prof. I.M. Starovoytov) Minskogo meditsinskogo instituta i Vileyskoy oblastnoy bol'nitsy (glavnyy vrach A.S. Romashko).

(UTERUC-ABNORMITIES AND DEFORMITIES)

(HREGNANCY, COMPLICATIONS OF)

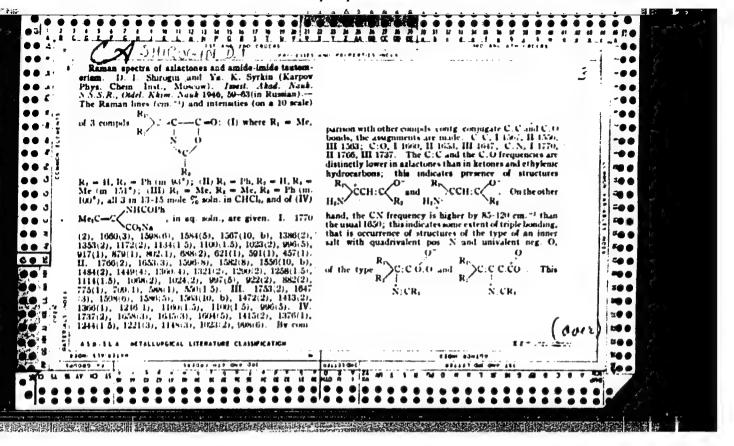
(LABOR, COMPLICATED)

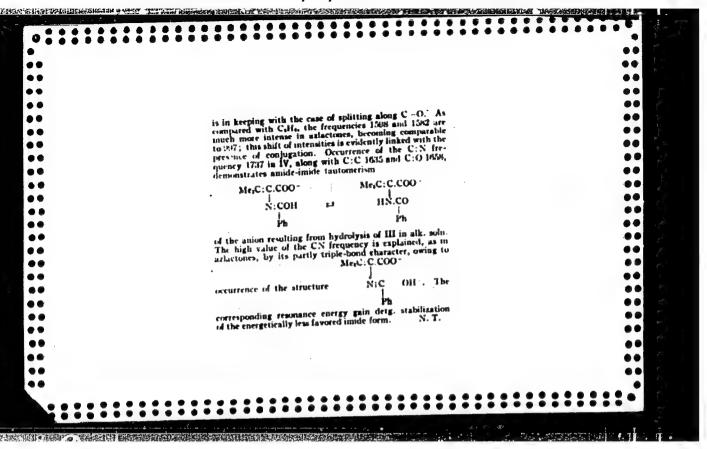
KULIK, V.T.; SHIROCHIN, V.P.

Structure of a communication system "man-machine" in a group programme teaching system with an electronic digital computer. Izv.vys.ucheb.zav.; radiotekh. 7 no.5:556-562 S=0 *64. (MIRA 18:4)

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001549520015-9





SHIROGIN, D. N. complex compd, founded by L. A. Chuguyev (Issledo-Develops further theory of structure of the intervaniya v oblasti kompleksnykh soyedineniy [Investby using the methods of Raman spectroscopy and of infrared absorption. Attempts to connect the obigations in the field of complex compounds 1906) Sep/Oct 53 nection With the Problem of the Nature of the Hy-"Investigation of Structure of Intercomplex Com-274T94 drogen Bond, "'D. N. Shirogin, Phys Chem Inst im pounds by Method of Oscillatory Spectra in Con-Ir Ak Nauk, Ser Fiz, Vol 17, No 5, pp 596-603 USER/Physics - Oscillatory Spectra of intercomplex compds. Karpov

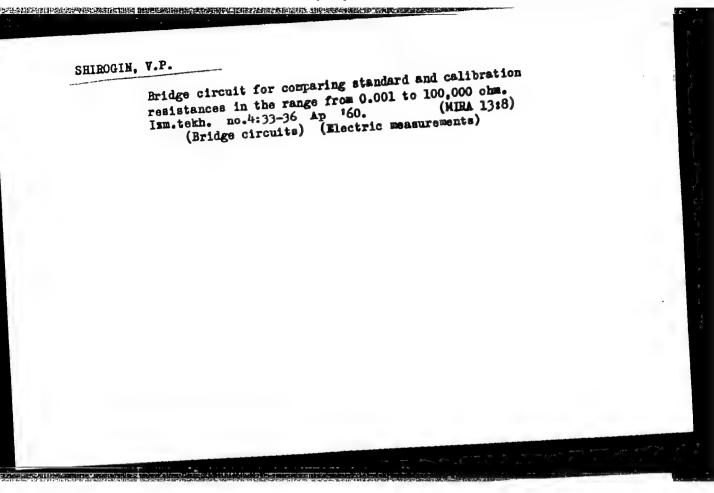
"The Nature and Effect of the Hydrogen- and Mental Element Binding."

report presented atScientific Conference at the Inst. for Physical Cemistry imeni L. Ya. Karpev, Acad. Sci. USSR, Joy 1957.

SHIROGIN, G. G.

Shirogin, u. u. "Passibilities of eliminating bends in the public service net-work of the Leningrad canal system," Spornik materialov po kommunal. knoz-vu No. 5, 1948, p. 51-53

SO: U-2880, Letopis Zhurnal'nykh Statey, No. 1, 1949



J.

SHIPCELDZOVA, MIN.

USSR/Corrosion - Protection From Corrosion

: Referat Zhur - Khimiya, No 9, 1957, 33162 Abs Jour

: Cherkasov, N.Kh., Shapko, T.S., Shiroglazova, M.A. Author

Inst

Title

: Corrosion of Primary Gas Concensers

: Koks i khimiya, 1956, No 5, 45-48 Orig Pub

: The causes have been determined of the corrosion of prima-Abstract

ry was condensers at the Nizhne-Tagilsk coking plant.

To control the corrosion it is proposed to treat the water

with water glass.

Card 1/1

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001549520015-9

ACC NRI AP7004994

SCURCE CODE: UR/0048/66/030/009/1530/1532

AUTHOR: Abdullayeva, V.G.; Ivanov, Ye.L.; Shirogorov, A.A.

ORG: none

TITLE: Some problems encountered in investigating "optronic" circuits /Report, Fourteenth All-Union Conference on Luminescence (Crystal Phosphors) held at Riga, 16-23 Sept. 1965/

SOURCE: AN SSSR. Izvestiya. Seriya fizicheskaya, v. 30, no.9, 1966, 1530-1532

TOPIC TAGS: electroluminescence, photoconductor, flip flop circuit, electroluminescence panel

ABSTRACT: The "optronic" circuit discussed in this paper consists of an electroluminescence cell and a photoconductor connected in series and with optical feedback
between them. Such a system can operate in one of three regimes, depending on the
characteristics of the electroluminescence cell and the photoconductor, the supply
voltage, and the feedback constant: an amplifying regime, in which there is one
stable equilibrium of low brightness: the optron regime, in which there are low- and
high-brightness stable equilibria and an intermediate-brightness unstable equilibrium;
and a self-excited regime, in which there is one high-brightness stable equilibrium.
In this paper design equations are derived for this system on the assumptions that
the brightness of the electroluminescence cell is proportional to the 3.39-th power

Card 1/2

- 1. SHIROGOROV, S. V.
- 2. USSR (600)
- 3. Wood Pulp Industry
- 4. Burning pulverized pyrite in a calcinating kiln. Bum. prom. 17No. 7 1952.

9. Monthly List of Russian Acessions, Library of Congress, February, 1953. Unclassified.

SHIROKALOV, M.G., inzhener.

Skidding 75 cubic meters of timber per shift with a TL-3 winch.

Les.prom.14 no.4:20 Ap *54.

1. Trest Serovlesdrewmet. (Lumbering-Machinery)

SHINDRAYA. VM.

Section 9

Adaptation of gastric intercorptors. V. M. Shirokaya U. Physici, USSR, 1951, 87, 606—613).—The action currents in the irog's vagua nerve were recorded in response to pressure changes in the atomach

caused by inflation of a small balloon. Slowly rising pressures of 0.—90 mm. Hg. did not produce a nerve response but rapidly rising pressure caused a volley of impulses which showed rapid adaptation. Deciliating pressures produce a prolonged activity which showed little adaptation. The rate and amplitude of the electrical responses is related to the degree of stretching of the stomach.

D. H. SMYTH.

inpto the Physiolog the Neurous System, Insto Physiol, AMS USSR. Moscow

On the "affect of closed artificial pneumoAPPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549520015-9
thoraxes upon respiration and the central nervous system (On the reflex
mechanism of pneumothorexes)." Ryazan', 1958. 19 pp (Ryazan' Med Inst im
Academician I. P. Pavlov) Chair of Mormal Physiology. Chair of Pathological
Physiology of Rostov-on-Don Med Inst), 200 copies (KL, 52-58, 108)

SHIROKAYA, V.M.

Observation of the state of the organ of vision in the workers of the carbon disulfide and spinning departments of the Ryazan Combine of Artificial Fibers. Nauch, trudy Riaz.med.inst. 23:104-109 *63. (MIRA 18:12)

1. Kafedra glaznykh bolezney (zav. kafedroy - prof. T.A.Shatilova) Ryazanskogo meditsinskogo instituta imeni akademika I.P.Pavlova.

VERETURINGV, Leonid Forfirtyevich; I.A. Hell., Flektride Ivanovich, RAIMOV, Mikhail Mikhaylovich; VERICA, V.A., doktor tekhn., nauk, prof., laurest Leninskoy presti, retrement; SEIMOKHOV, Ye.I., nauchn. red.; 600 CVI, C.V., red.

[Modeling, computer techniques, an transient processes in electric ship propulsion system.] Modelinovanie, vychislitelinaia tekhnika i perekicorye inclusesy v sudovykh elektroenergeticheskikh sisterakh. Teningrad, Sudostroenie, 1964. 383 p. (NOCL 18:1)

SHIROKIKH, D.P., kandidat pedagogicheskikh nauk; IZVOZCHIKOV, V.P., kandidat sel'skokhozyaystvennykh nauk; YELEHEV, L.K., kandidat biologicheskikh nauk.

Serious shortcomings of a textbook ("Principles of crop cultivation; part 1: general agriculture; textbook for grade 8 of rural secondary schools" by M.I. Dolgopolov. Reviewed by D.P. Shirokikh, V.P. Izvozchikov, and L.K. Elenev.) Biol.v shkole no.1:86-88 Ja-F '57. (MIRA 10:5)

1.Krasnodarskiy pedagogicheskiy institut.
(Agriculture) (Dolgopolov, M.I.)

BORISOV, V.I.; STEN'KO, M.N.; SHIROKHIKH, D.P.

Shortcomings of a scology trial textbook ("Zoology"; textbook for secondary schools by V.F. Natali. Reviewed by V.I. Borisov. M.N. Sten'ko, D.P. Shirokikh). Biol. v shkole no.5:93 S-0 158. (MIRA 11:11)

1. Krasnodarskiy pedagogicheskiy institut.
(Zoology--Study and teaching) (Natali, V.F.)

My 159.

(HIRA 12:7)

SHIROKIKH, D.P. (g.Krasnodar); BORISOV, V.I. (g.Krasnodar)

Our first experience in conducting pedagogical training in the fundamentals of agriculture. Politekh.obuch. no.5:68-71

(Krasnodar--Teachers, Training of)
(Agriculture-Study and teaching)

SHIROKIKH, D.P., kand.ped.nauk Botany teaching in secondary schools. Biol. v shkole no.1:35-(MIRA 12:2)

> 1. Krasnodarskiy pedagogicheskiy institut. (Botany--Study and teaching)

38 Ja-F 59.

BORISOV, V.I., kand.geograficheskikh nauk; SHIRCKIKH, D.P., kand.geograficheskikh naud; VERCHENKO, F.A.

"Children's encyclopedia," Vol. 4. Reviewed by V.I. Borisov, D.P. Shirokikh, P.A. Verchenko. Biol. v shkole no.3:91-93
MY-Je '61. (MIRA 14:7)

(Children's encyclopedias and dictionaries)

SHIROKIKH, D.P., kand.pedagogicheskikh nauk; NEGINSKAYA, I.F., uchitel'nitsa

Combining biology instruction with practical work of students on a school lot. Biol. v shkole no.5:45-48 S-0 '62. (MIRA 16:2)

or and all so will be a special state of the t

1. Krasnodarskiy pedagogicheskiy institut (for Shirokikh).

2. Vos'miletnyaya shkola No.27 stanitsy Medvedovskoy

Timashevskogo rayona Krasnodarskogo kraya.
(Biology—Study and teaching)
(Agriculture—Experimentation)

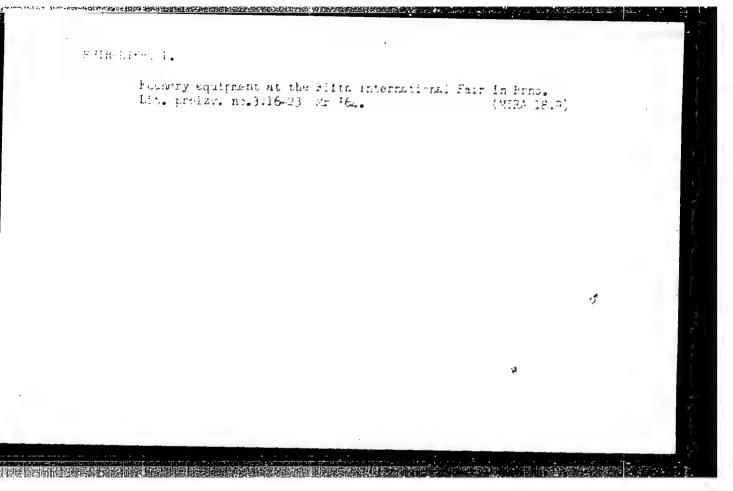
SHIROKHIKH, F.T.; GINZBURG, B.L.

なべいないまままではは日本との表現は大きななりをおかないという。

Strengthening the material base of the public health system in a task for all. Zdrav. Bel. 7 no. 4:18-20 Ap '61. (MIRA 14:4)

1. Predsedatel ispolkoma Vitebskogo rayonnogo Soveta deputatov trudyashchikhaya (for Shirokikh). 2. Glavnyy vrach Vitebskogo rayona (for Ginzburg).

(VITEBSK DISTRICT—PUBLIC HEALTH, RURAL)



SHIROKIKH, Ivan Ivanovich; KUZNETSOV, S.P., red.; PASECHNIK, A.F., red. izd-va; RUBINOVA, L.Ye., tekhm. red.

[The slide rule and its uses; practical handbook] Logarifmicheskaia lineika i ee primenenie; prakticheskoe rukovodstvo. Izd.4., isp. i dop. Tomsk, Tomskoe knizhnoe izd-vo, 1961. 85 p.

(Slide rule)

SELECTION, Ivan Ivanovich; EUZNETSOV, S.P., red.

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[The slide rule and its use; practical handbook] Logarifmicheskaia lineika i ee primenenie; prakticheskoe rukovodstvo. Izd.5., ispr. i dop. Tomsk, Tomskoe knizhnoe izdvo, 1964. 139 p. (MIRA 17:9)

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L 44290-66 ENT(m)/EWP(i) . WW/JW/RM ACC NR: AP6026152 SOURCE CODE: UR/0076/66/040/007/1650/1652 Shirokikh, P. K.; Bystrov, V. M.; Ponomarev, V. V.; Solntsev, AUTHOR: 58 ORG: Moscow University im. M. V. Lomonosov, Chemistry Department (Moskovskiy gosudarstvennyy universitet, Khimicheskiy fakul'tet) TITLE: Heats of combustion and enthalpies of formation of some acetylenic amines / SOURCE: Zhurnal fizicheskoy khimii, v. 40, no. 7, 1966, 1650-1652 TOPIC TAGS: acetylenic amine, heat of combustion, enthalpy of formation ABSTRACT: The authors have prepared high-purity samples of the following acetylenic amines: CH = OCH₂NH₂ CH = OCH₂N (GH₂)₂ $CH_2 - CCH_3)_3NCH_3$ $CH_3 - CHC_3)_3N$ $CH_3 - CHC_3 - CCH_3N(CH_3)_3$ $(CH_3)_3NCH_3C - CCH_3N(CH_3)_3$ The heats of combustion of these amines were determined calorimetrically by a procedure described in the source. The values of the heats of Card UDC: 541,11

ACC NR: AP602	26152		corrections values of c tion of the in Table 1 procedure	(after the ns) and the caenthalpies of amines are. The calculis explained rig. art. has	forma- given ation in the	
	Compound	-ΔU, cal/g. V = const; T = 293,160	-ΔH, kcal/mol. p=const; T=293,16C	ΔH° form kcal/m T = 293.16C	01	
	CaH _B N	9115,7 9105,3 9110,1	502,2±0,2	49,2±0,2	,	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	C.H.N	Average 9110,4±3,6 9916.7 9003,9 9914,0	825,0±0,4	47,1±0,4		=
•	C _t H _t N	Average 9911,5±5,1 10040,5 10017,8 10048,6 10044,1	1077,4±0,3	111,4±0,3	,	dramby d

ACC NRI AP6026152			0
	Continuation	of Table on card 2/3	
C _e H _e N	Average 10045,0±2,7 10273,2 10272,4 10274,7	1318,7±0,1 194,6±0,1	
C _i H _H N	Average 10273,4±0,8 9995,5 10000,8 10005,3 9997,5	1093,0±0,4	
C _a H _{1a} N _a	Average 9999,8±3,3 9535,5 9534,1 9532,7 9529,2	1338,6±0,3 39,3±0,3	
· +	Average 9532,9±1,9		
SUB CODE: 07/	SUBM DATE: 10Aug65	ORIG REF: 002 OTH REF: 005	

SHIROKIKH, V.N.

Uniformity of visual images and their association with words. Vop. psikhol. 9 no.5:171-175 S-0'63. (MIRA 17:2)

l. Kafedra psikhologii Moskovskogo gosudarstvennogo pedagogicheskogo instituta imeni Lenina, Moskva.

BILIK, Sh.M., doktor tekhn. nauk; SHIROKIKH, V.P., ingh.

Plastic friction pairs for railroad rolling stock. Tridy
TSNII NPS no.242:45-61 '62. (MIRA 16:6)

(Plastics)
(Railroads—Equipment and supplies)

\$/2917/63/000/267/0046/0059

ACCESSION NR: AT4028413

AUTHOR: Bilik, Sh. M. (Doctor of Technical Sciences); Luk'yanchikov, I. K. (Engineer); Oganesov, A. S. (Engineer); Shirokikh, V. P. (Engineer)

TITLE: Experimental use of antifriction polymer materials in locomotives

SOURCE: Moscow. Vsesoyuzny*y nauchno-issledovatel'skiy institut zheleznodorozhnogo transporta. Trudy*, No. 267, 1963. Primeneniye polimerov v podvizhnom sostave zhelezny*kh dorog (using polymers in railroad rolling stock), 46-59

TOPIC TAGS: antifriction material, antifriction polymer, locomotive, plastics, metal polymer, wear, antifriction disc, floating collars

ABSTRACT: The authors have undertaken a study to determine means for meeting increased reliability and life span requirements of friction points in moving parts of trains, due to the rapid growth and increased speed of the railroad transport. The study concentrated on metal-polymer friction couplings. After laboratory and test stand experiments, a number of metal-polymer couplings were installed on locomotives for experimental use. Some of these materials were made completely of plastic others from metal components covered with an antifriction polymer layer. The authors list the results using the latter in various components, such as antifriction discs

Card 1/2

ACCESSION NR: AT4028413

of electric locomotives, floating collars of the main axles of steam locomotives, the slip rod collars of steam locomotives, the slip cover plates of locomotives, valves of steam locomotives, etc. on various rail lines of the Soviet Union. As a result of their investigations, the authors hope that in the immediate future, plastics will be substituted for nonferrous metals to a significant degree in railroad rolling stock and will thereby increase the operation of friction points of the moving parts. Orig. art. has: 11 figures and 5 tables.

ASSOCIATION: Vsesoyuzny*y nauchno-issledovatel'skiy institut zheleznodorozhnogo

transporta (All Soviet Railroad Scientific Research Institute)

DATE ACQ: 16Apr64

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SUBMITTED:

OTHER:

SUB CODE: MA NO REF SOV:

Card 2/2

BILIK, Sh.M., doktor tekhn.nauk; DYYACHKOV, F.K., doktor tekhn.nauk; MAKHOVENKO, A.I., inzh.; SHIRCKIKH, V.P., inzh.

Antifriction materials for the end thrusts of diesel locomotives based on the compositions of stannous bronze and fluoroplast.

Trudy TSNII MPS no.283:148-160 164. (MIRA 18:4)